

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) An implantable cardiac rhythm management device comprising a defibrillation energy delivery circuit including:
 - an input terminal to receive defibrillation energy;
 - an output terminal to deliver the defibrillation energy; and
 - means for delivering the defibrillation energy from the input terminal to the output terminal, including means for conducting and latching in a single quadrant of a current versus voltage characteristic.
2. (Original) The device of claim 1, wherein the means for delivering the defibrillation energy includes means for triggering the conduction.
3. (Original) The device of claim 2, further including a switch coupled to the means for triggering the conduction, wherein the switch supplies a current to trigger the conduction.
4. (Original) The device of claim 3, wherein the switch is a current-limiting field effect transistor.
5. (Original) The device of claim 3, wherein the means for conducting and latching in a single quadrant includes means for conducting and latching in a third quadrant corresponding to a negative current and a negative voltage.
6. (Original) The device of claim 1, wherein the means for delivering the defibrillation energy includes a thyristor.

7. (Original) The device of claim 1, wherein the system includes:
- a second input terminal to receive a power supply; and
 - a switching means to couple the first output terminal to the second input terminal.
8. (Original) The device of claim 7, wherein the switching means includes insulated gate bipolar transistors (IGBTs).
9. (Original) A cardiac rhythm management device comprising a defibrillation energy delivery circuit including:
- a first input terminal to receive defibrillation energy;
 - first and second output terminals to deliver the defibrillation energy;
 - a first single quadrant thyristor coupled to the first input terminal and the first output terminal;
 - a second single quadrant thyristor coupled to the first input terminal and the second output terminal; and
 - switching means coupled to the first and second thyristors to trigger conduction of the thyristors.
10. (Original) The system of claim 9, wherein each of the thyrsitors includes a gate, and the switching means is coupled to the gates of the thyristors.
11. (Original) The system of claim 10, wherein the switching means sinks a current at the gates of the thyristors.
12. (Original) The system of claim 11, wherein the switching means includes a pull down switch.
13. (Original) The system of claim 11, wherein the switching means includes a current limiting field effect transistor (NFET).

14. (Original) A method for delivering energy used in defibrillation therapy comprising:

providing defibrillation energy at an input terminal; and

triggering a power supply coupling switch to conduct and latch current in a single quadrant of a current versus voltage characteristic from the input terminal to an output terminal for use in the defibrillation therapy.

15. (Original) The method of claim 14, wherein triggering a power supply coupling switch includes triggering a thyristor.

16. (Original) The method of claim 15, wherein triggering the thyristor includes enabling third quadrant conduction.

17. (Original) The method of claim 15, wherein triggering the thyristor includes providing a current to a gate of the thyristor.

18. (Original) The method of claim 17, wherein providing a current includes limiting the current to a predetermined approximate value.

19. (Original) The method of claim 14, wherein the method further includes:

providing a ground voltage at a second output terminal; and

enabling a pulldown switch to couple the second output terminal to ground.

20. (Original) The method of claim 19, wherein enabling a pull-down switch is executed before triggering the power supply coupling switch.